

# THE ASSAM KAZIRANGA UNIVERSITY Academic Council

# **Approved Academic Regulations**

# For Doctoral Programme

This is to certify that the Academic Regulations for the Doctoral Program (Ph.D.) of The Assam Kaziranga University have been thoroughly reviewed and were formally approved by the Academic Council in its meeting held on 31st July 2025.

The document has been finalized after due deliberations and recommendations from the concerned academic bodies and stakeholders and will serve as the official framework for doctoral studies at the University.

The undersigned hereby acknowledge and endorse the implementation of the said regulations.

Dean -Research

The Assam Kaziranga University

Deputy Registrar

The Assam Kaziranga University

Registrar

The Assam Kaziranga University

Chairman - Academic Council

The Assam Kaziranga University

Date:

# The Assam Kaziranga University Jorhat



# **Academic Regulations**

(For Doctoral Programme)

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#### 1. Introduction

The objectives of The Assam Kaziranga University (KU), as enshrined in its Vision and Mission, require it to foster research in emerging areas of science, engineering, technology, health sciences, pharmacy, management, food, agriculture, and social sciences. The focus is on ensuring relevance to India, with the aim of making significant contributions to societal development and advancing knowledge in these fields.

The Degree of Doctor of Philosophy (Ph.D.) is the highest research degree awarded by The Assam Kaziranga University. The rules and regulations governing the Ph.D. program provide information and guidelines on the framework within which the University administers and awards research degrees.

#### 2. Right to interpretation and amendments

The Academic Council of The Assam Kaziranga University with due approval of the Board of Management shall have the right to interpret and amend these regulations.

#### 3. General definitions

- "Research" shall mean systematic study or investigation in order to discover and underpin new knowledge in the form of facts and establish new conclusions or interpretation of ideas or inventions of new devices.
- "Doctor of Philosophy (Ph.D.)" signifies that the recipient has successfully completed the stipulated programme of research, conducted under proper academic supervision, and has reported the findings in the form of a thesis based on original research work.
- "Act" shall mean The Assam Private University Act 2007.
- "Applicant" shall mean an individual who applies on a prescribed application form for admission to a Ph.D. programme.
- "Candidate" shall mean a student who has been admitted to the Ph.D. programme of The Assam Kaziranga University through the procedures adopted by the University.
- "External Examiner" shall mean an academician/researcher with published research work, who is not affiliated with The Assam Kaziranga University where the Ph.D. scholar is registered for the programme.
- "Foreign Educational Institution" shall mean (i) an institution duly established or incorporated in its home country and offering educational programmes at the undergraduate, postgraduate, and higher levels in that country, and (ii) an institution that offers programmes of study leading to the award of a degree through conventional face-to-face mode, excluding distance, online, or open and distance learning (ODL) modes."
- "Interdisciplinary Research" shall mean research conducted by a Ph.D. scholar in two or more academic disciplines.

- "Plagiarism" shall mean the practice of taking someone else's work or ideas and presenting them as one's own.
- "CoE" shall mean Controller of Examinations of the University.
- "Course Work" shall mean the course units prescribed by the University to be completed by a candidate as part of the partial fulfillment of the requirements for the Ph.D. programme.
- "Registration" shall mean the formal enrollment of a candidate in the Ph.D. programme.
- "Date of Registration" of full-time and part-time research scholars may be considered as the date of admission to the Ph.D. programme of The Assam Kaziranga University, on the recommendation of the University Doctoral Research Committee (UDRC). The Chairman of the Academic Council may accord approval for such registration, subject to ratification by the Academic Council thereafter.
- "Registration Period" shall mean the length of time span commencing from the date of registration and ending on the date of submission of the thesis. The Registration for the Ph.D. programme shall normally be valid for a duration of six (6) years. A maximum of an additional two (2) years may be granted through a process of re-registration, as per the Statute/Ordinance of The Assam Kaziranga University, in case the candidate fails to submit the thesis within 6 years. In any case, the total period for completion of the Ph.D. programme shall not exceed eight (8) years from the date of admission.
- "Supervisor" shall mean a full-time regular faculty member of the University, approved by UDRC to supervise the research work carried out by the candidate.
- "Co-Supervisor" shall mean a full-time regular faculty member of The Assam Kaziranga University or a faculty from another department/faculty/college/institution/University/R&D laboratory, who is approved by the UDRC to supervise the research work of the candidate.
- "Academic Council (AC)" shall mean the Academic Council of The Assam Kaziranga University constituted under the provisions of the Act.
- "Progress Report" shall mean a brief progress report of the Ph.D. scholar's research work, to be submitted half yearly after the semester end to the SDPC along with a presentation for evaluation and further guidance.
- "Pre-Thesis Submission Seminar" shall mean a seminar presentation delivered by the Ph.D. scholar before the SDPC prior to the submission of the Ph.D. thesis. This seminar shall also be open to all faculty members, research scholars, and students.
- "Synopsis" shall mean a concise and comprehensive summary of the Ph.D. thesis, to be submitted to the SDPC along with a seminar presentation prior to the submission of the thesis.

"University Doctoral Research Committee (UDRC)" is the apex body that administers the research programmes of The Assam Kaziranga University. The Vice-Chancellor of the University shall constitute the committee. The Research Committee shall consist of:

Sl. No.	Members	Designations
1	Vice-Chancellor or his nominee as Chairperson	Chairperson
2	Dean -Research	Secretary
3	Registrar	Member
4	Dean of all Schools	Members
5	Controller of Examinations	Member
6	Director COE	Member
7	Associate Dean-Research	Member
8	Director IQAC	Member
9	Senior faculty nominated by Vice-Chancellor	Member
10	Nominated by the Vice-Chancellor	External Member
11	Nominated by the Vice-Chancellor	External Member
12	Nominated by the Vice-Chancellor	External Member

These three external experts from outside The Assam Kaziranga University shall be nominated by the Vice-Chancellor as distinguished members. They shall include: one eminent professor from an educational institute, one scientist, and one industry expert or senior faculty member nominated by the Vice-Chancellor.

#### **Duties and powers of UDRC:**

- i) To discuss and formulate the Rules and Regulations governing Doctoral Degree programmes, recommend amendments as required from time to time, and consider suggestions from the SDPC pertaining to doctoral studies.
- ii) To examine research proposals submitted by candidates and duly recommended by the SDPC. Based on the merit and suitability of the proposed research, the UDRC may approve, reject, or recommend modifications to the research objectives, title, or scope.
- iii) To review the qualifications and experience of the proposed Supervisor(s) and make appropriate recommendations regarding their eligibility to supervise the research work.
- iv) To review the progress reports of research scholars, as forwarded by the SDPC.
- v) The UDRC of The Assam Kaziranga University shall convene meetings twice during each academic session at regular intervals.
- vi) At least 50% attendance of UDRC members shall constitute the quorum for a valid meeting.
- vii) The minutes of each UDRC meeting shall be presented before the Academic Council (AC) for ratification.

### **Student Doctoral Programme Committee (SDPC):**

The formation of the SDPC shall be initiated by the supervisor to monitor the progress of each research scholar. The SDPC shall consist of the following members:

Sl. No.	Members	Designation
1	Dean of School	Chairman
2	Supervisor	Convenor
3	Only one co-supervisor (if any)	Member
4	Dean - Research	Member
5	Expert-1 from respective School related to the field	Member
6	Expert-2 from respective School related to the field	Member
7	One external expert (outside The Assam Kaziranga	External Member
	University) nominated by Supervisor (only for evaluation of the scholar)	

#### Note:

- In case the Dean of the School is the Supervisor of the scholar, the senior-most faculty member of the concerned Department/School shall act as the Chairperson of the SDPC for that case.
- All members, except the external expert, shall participate in all issues related to Ph.D. scholars.

# **Duties and powers of SDPC:**

- 1. The Supervisor shall propose the names of two expert members from the respective School/Department/allied department, along with one external expert, to be part of the SDPC.
- 2. At least four (4) SDPC members including external expert, shall constitute the quorum for a valid meeting.
- 3. The SDPC shall develop and implement a supervision management system for Ph.D. scholars in accordance with the Ph.D. regulations and prescribed formats.

•	Supervisor application form	(Form No. I)
•	Supervisor allocation form	(Form No. II)
•	Co-supervisor consent form	(Form No. III)
•	Co-supervisor allocation form	(Form No. IV)
•	Supervisor Change Request Form	(Form No. V)
•	SDPC constitution form	(Form No. VI)

- 4. The SDPC shall examine the candidate's proposed research plan, including the research objectives, finalization of the research topic, and methodology. If found suitable, the proposal shall be recommended to the UDRC for consideration.
- 5. The SDPC shall periodically review, on a half-yearly basis, the progress of each Ph.D. scholar,

- department-wise, and provide the necessary support and guidance for the advancement of their research.
- 6. Each semester, every Ph.D. scholar shall appear before the SDPC to deliver a presentation and submit a brief half-yearly progress report for evaluation (Form VII). The SDPC shall thereafter submit its recommendations, along with the scholar's progress report, to the UDRC for further consideration.
- 7. In case the progress of a Ph.D. scholar is found to be unsatisfactory, the SDPC shall record the reasons and suggest appropriate corrective measures. If the scholar fails to implement these corrective measures within the stipulated time, the SDPC may, with specific justification, recommend the cancellation of the scholar's registration from the Ph.D. programme.
- 8. After completing the mandatory half-yearly progress reviews, if a scholar has completed their Ph.D. work, they may approach the SDPC through supervisor to seek permission for thesis writing. In the subsequent half-yearly progress review presentation, the scholar must provide adequate evidence of having fulfilled the objectives of the Ph.D. work, in accordance with the university guidelines.
  - In exceptional cases, based on the scholar's progress, the SDPC may recommend that the scholar seek permission to begin thesis writing after completing the fourth semester. In V semester, pre thesis seminar shall be conducted after 2 months from the starting date of the semester. For subsequent semesters, the process shall be followed as outlined above.
- 9. The SDPC shall conduct a Pre-thesis submission seminar, which is open to all faculty members and research scholars, to obtain feedback and comments, which may be incorporated into the draft thesis if found suitable by the Committee.
- 10. The SDPC shall examine the draft version of the scholar's thesis before it is forwarded for final evaluation by the external examiners.
  - Scholars must ensure that the thesis is properly formatted as per the university guidelines, within the acceptable plagiarism limit, and free from grammatical errors.
- 11. At the time of the Pre-Thesis Submission Seminar, the SDPC shall propose to the UDRC a panel of External Examiners for the final evaluation of the Ph.D. thesis. The panel shall consist of all SDPC members and two external examiners, of whom at least one shall be from outside the state.
- 12. Upon receipt of satisfactory evaluation reports, the SDPC shall organize the final Viva-Voce examination to assess the quality and impact of the research work carried out by the scholar. The Viva-Voce shall be an essential component of the evaluation process and shall be open to all interested faculty members, Ph.D. scholars, and students.
- 13. The panel for the Viva-Voce examination shall consist of the supervisor/co-supervisor, other SDPC members, and either one or both the external examiners from the thesis evaluation panel. If none of the external examiners are available for the Viva-Voce examination, an alternative examiner shall be appointed by the SDPC, subject to the approval of the UDRC.
- 14. The SDPC shall convene meetings as and when required to address matters related to Ph.D. scholars.

#### 4. Management and co-ordination of Ph.D. programme

Academic programme leading to the award of Ph.D. degrees shall be organized and managed by the Academic Council (AC), the University Doctoral Research Committee (UDRC), the Student

Doctoral Programme Committee (SDPC), and any other committee(s) constituted by the authority empowered under the Statutes, Ordinances, and Regulations.

The constitution, composition, functions and powers of these bodies shall be as specified in the Act, the Statutes, the Ordinances and the Regulations.

If a Ph.D. scholar is a family member or close relative of the Chairperson of the UDRC or SDPC, a senior member nominated by the Academic Council (AC) shall perform the duties of the Chairperson of the respective committee.

### 5. Other requirements

The Ph.D. degree shall be awarded to a candidate who, in accordance with these Regulations, has successfully completed the stipulated programme of research and submitted a thesis based on original research work done by him/her in any particular discipline or jointly in more than one discipline (Inter-disciplinary), that makes a contribution to the advancement of knowledge in the appropriate field of (i) science, (ii) engineering (iii) technology, (iv) health sciences, (v) pharmacy, (vi) management, (vii) food and agriculture, and (viii) social sciences (ix) IT (x) Commerce and the thesis shall have been approved by the duly constituted panel of examiners.

The Academic Council (AC) of The Assam Kaziranga University shall formulate and approve the Rules and Regulations governing the Ph.D. programme. The AC may, from time to time, modify or amend the structure, rules, and regulations as deemed necessary. A candidate seeking the award of the Ph.D. degree must submit a thesis embodying the findings of his/her research carried out under the programme. The thesis shall constitute an original contribution of high quality to the advancement of knowledge, as assessed by experts in the relevant field.

A candidate shall become eligible for the award of the Ph.D. degree upon fulfilling all academic requirements prescribed by the AC of the University and as stipulated by the University Grants Commission (UGC).

The AC shall approve the award of the degree based on the recommendations of the SDPC/UDRC. In case of any controversy arising from the thesis or the Viva-Voce evaluation report, the decision of the Vice-Chancellor of the University shall be final and binding.

The Ph.D. degree shall be awarded in the discipline of the Department in which the scholar is registered for the Ph.D. programme.

#### 6. Admission categories

The research scholar seeking admission to the Ph.D. programme of The Assam Kaziranga University shall be classified under any one of the following categories:

- **A. i) Full Time:** A candidate enrolled in the Ph.D. programme who devotes his/her full time to research activities in The Assam Kaziranga University. Such scholars may apply for fellowships/assistantships available from various funding agencies. In addition, research scholars supported by R&D organizations, national institutions, other universities, government organizations, or industries shall also be admitted through the regular admission process and shall pursue the Ph.D. programme on a full-time basis.
  - ii) Part Time: A candidate may be enrolled in the Part-Time Ph.D. programme of The Assam Kaziranga University and shall be permitted to carry out research activities in the

University while continuing in full-time employment, provided he/she belongs to one of the following categories:

- a. Faculty/Scientists/Engineers/Professionals working in recognized academic/ research institutes/ government organizations / industry (working professionals)
- b. A member of administrative/technical staff or faculty of the University.
- **B. Project Fellow:** Scientists/Assistants working in a research project of the University, provided that his/her Ph.D. topic is related to the research project and subject to the consent of the Principal Investigator. These research scholars shall get stipend/remuneration as admissible under concerned Research Project and shall not be entitled to get any type of stipend/remuneration from the University. However, they must comply with all related Ph.D. norms of the University.
- C. Sponsored Candidates: Candidates receiving Government/Semi Government or other scholarships/ fellowships/ stipends, who apply for admission through the sponsoring organization.
- **D. Self–financed Indian Candidates:** Indian candidates satisfying the eligibility qualifications (Full Time).
- **E.** Self-financed Foreign Candidates: Foreign candidates satisfying the eligibility qualifications (Full Time).

### 7. Admission to the Ph.D. programme eligibility criteria

The following categories of candidates shall be eligible to seek admission to the Ph.D. programme:

i) Candidates who have completed a 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to a master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed. OR candidates passing an equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or by any other statutory authority in that country responsible for assessing, accrediting, or maintaining standards of educational institutions.

A relaxation of 5% marks or its equivalent grade may be allowed for candidates belonging to SC/ST/OBC (non-creamy layer), Differently-Abled, Economically Weaker Section (EWS), and other categories of candidates as per decisions of the Commission from time to time.

Provided that a candidates seeking admission after a 4-year/8-semester bachelor's degree programme must have a secured minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer), Differently-Abled, economically Weaker Section (EWS), and other categories of candidates aper the decisions of the University from time to time.

ii) Candidates who have completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale, wherever grading system is followed, or those holding

an equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority established or incorporated under a law in its home country, or by any other statutory authority in that country responsible for assessing, accrediting, or assuring quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme. A relaxation of 5% marks or its equivalent grade may be allowed for candidates belonging to SC/ST/OBC (non-creamy layer), Differently-Abled, economically Weaker Section (EWS) and other categories as per the decisions of the Commission from time to time. (ANNEXURE – I)

## **Admission procedures**

The Assam Kaziranga University shall

- (a) Notify the details of the admission procedure along with other relevant information well in advance on the University's website, specifying the number of seats available for admission, subject/discipline-wise distribution of seats, eligibility criteria, admission procedure, and all other relevant information for candidates.
- (b)Adhere to the National/State-level reservation policy, as applicable.

Applications for admission to the Ph.D. programme shall be invited through an open advertisement, notified well in advance on The Assam Kaziranga University website and in at least one (1) newspaper of national repute. The notification shall mention the number of seats available for admission, subject/discipline-wise distribution of seats, eligibility criteria, admission procedure, examination centre(s) for the entrance test(s), and all other relevant information for the benefit of candidates. The tentative schedule for Course Registration and Admission is provided in the following table.

Sr. No	Admission schedule	Last date for submission of applications
1	July	Before 15 <sup>th</sup> June
2	January	Before 15 <sup>th</sup> December

The last date may be subject to change under exceptional or unavoidable circumstances, with the approval of the Vice-Chancellor.

Applications of candidates under categories (6 A (ii)) must be submitted through proper channel along with no objection certificates (FORM – VIII).

The applications received by the Office of the Registrar shall be forwarded to the concerned Deans/Heads of Departments for scrutiny. The respective Deans/Heads shall shortlist the candidates and invite them for the entrance/screening test, followed by an interview.

#### **Selection procedure:**

Admission to the Ph.D. programme of The Assam Kaziranga University shall be made using following method:

(i) The University will admit scholars who have qualified for fellowships/scholarships in UGC-NET/UGC-CSIR NET/GATE/SLET/GPAT/CEED or similar National level tests, based on

an interview. Candidates who secure at least 50% marks in an interview are eligible to get admission to Ph.D. Program.

#### And/or

- (ii) The University shall admit candidates through the University Entrance Test (KUEST). The entrance test syllabus shall comprise 50% Research Methodology and 50% subject-specific content.
- (iii) Candidates who secure at least 50% marks in the entrance test shall be eligible to be called for the interview.
- (iv) A relaxation of 5% marks in the entrance test shall be allowed for candidates belonging to SC/ST/OBC (non-creamy layer), Differently-Abled, Economically Weaker Section (EWS), and other categories of candidates as per the decisions of the Commission from time to time.
- (v) The University shall decide the number of eligible candidates to be called for the interview based on the number of Ph.D. seats available.
- (vi) For selection of candidates based on the entrance test conducted by the University, a weightage of 70% shall be given to the entrance test and 30% to the performance in the interview/vivavoce. Candidates who secure at least 50% marks are eligible to get admission to Ph.D. Program.

A list of candidates recommended for admission by the Selection Committee, constituted by the Dean of the concerned School, shall be forwarded to the Admissions Office for further processing. The Registrar shall notify the selected candidates to complete their admission to the Ph.D. programme.

The selected candidates shall get admission by paying all the fees as per the schedule. The physical presence of the candidate is mandatory at the time of verification of testimonials, course registration, and hostel admission (if applicable).

The fee structure shall be as determined by the University management from time to time (ANNEXURE – II). The University shall maintain an updated list of Ph.D. supervisors (including the name, designation, and Department/School/Centre of each supervisor), along with details of registered Ph.D. scholars (including the name of the scholar, research topic, and date of admission) on its website, and this list shall be updated every academic year.

#### Admission to part-time Ph.D. scholars

- (1) The Ph.D. programme through part-time mode shall be permitted, provided all the conditions stipulated in these Regulations are fulfilled.
- (2) Applicants for part-time Ph.D. admission must:
  - i) Provide satisfactory evidence to the UDRC that their official duties permit them to devote sufficient time to research.
  - ii) Submit a 'No Objection Certificate' (Form-VIII) from the appropriate authority of the organization where they are employed, clearly stating that:
  - a. The candidate is permitted to pursue studies on a part-time basis.
  - b. The candidate's official duties permit him/her to devote sufficient time for research.
  - c. The candidate shall be relieved from official duties, if required, to complete the coursework."
- 3) Sponsored candidates shall submit a sponsorship certificate from their employers in the prescribed format (Form IX).

(4) Project fellows shall submit their applications accompanied by a no objection certificate from the Principal Investigator in the prescribed format (Form – X).

#### **Admission of International Ph.D. Scholars:**

International students may be admitted to the Ph.D. programme in accordance with the policy guidelines laid down by the Government of India, Statutory / regulatory bodies concerned from time to time. Each supervisor may guide up to two international research scholars on a supernumerary basis, over and above the permitted number of Ph.D. scholars.

#### 8. Supervision

#### Categories of supervisors & co-supervisors:

#### **Supervisor:**

Regular faculty members of The Assam Kaziranga University will be recognized as Research Supervisors. Professors and Associate Professors with a Ph.D. degree and at least five research publications in peer-reviewed or refereed journals, and Assistant Professors with a Ph.D. degree and at least three research publications in peer-reviewed or refereed journals, are eligible to be recognized as Research Supervisors. Such recognized Research Supervisors shall not supervise research scholars in other institutions, though they may act as Co-Supervisors.

A Ph.D. degree awarded by the University under the supervision of a faculty member who is not an employee of the University or its affiliated Post-Graduate Colleges/Institutes shall be considered a violation of these Regulations.

## Co-supervisor:

Co-supervisors from within the same department or other departments of The Assam Kaziranga University or other institutions may be permitted with the approval of the competent authority of the University.

Adjunct faculty members of the university shall not act as research supervisors and can only act as co-supervisors.

In case of interdisciplinary/ multidisciplinary research work, if required, a co-supervisor from outside the Department/School/may be appointed.

Faculty members with less than three years of service before superannuation shall not be allowed to take new research scholars under their supervision. However, such faculty members can continue to supervise Ph.D. scholars who are already registered until superannuation and as a cosupervisor after superannuation, but not after attaining the age of 70 years.

#### Allotment of supervisors

The School Research Coordinator shall take the initiative to allocate a guide for each Ph.D. scholar by providing the supervisor's field of expertise to scholars and then inform the School Dean to identify a suitable guide for the concerned scholar after obtaining mutual consent of both the scholar and the supervisor and ensure that the supervisor allocation form is duly filled. The School Research Coordinator will then collect all completed forms and present them to the SDPC for approval. After approval, the document should be submitted to R& D office.

The supervisor(s) shall be identified and appointed at the earliest and within six months from the date of admission.

Once the supervisor for a candidate is allotted by the Dean of respective schools, the same will be forwarded to the Dean-Research for initial approval. Further, the forms will be placed in the UDRC for final approval. There shall be not more than two supervisors for a doctoral scholar including co- supervisor.

In the event of any dispute or controversy, the SDPC may recommend change of supervisor of any scholar with prior approval from the UDRC.

On the basis of sufficient and valid grounds, a scholar may also apply for a change of supervisor/co-supervisor (or both). On the basis of such an application, the SDPC may consider the request, and if required, the SDPC may seek approval from the UDRC.

If a supervisor or the co-supervisor leaves The Assam Kaziranga University permanently or temporarily for a period of more than 1 year or is unable to continue supervision due to long illness or due to demise, the SDPC will change the supervisor.

In case the doctoral scholar has a co-supervisor from an outside organization and the co-supervisor leaves his institute/University/college/R&D organization or is unable to continue supervision due to long illness or due to demise, the scholar may apply for the appointment of an alternative co-supervisor recognized by the University, either from the university or from another institute/university/R&D organization. The application must be duly endorsed by the supervisor. If a supervisor leaves the university for any reason, SDPC meeting shall be conducted immediately in the presence of outgoing supervisor to record his/her comments. The SDPC shall then decide on the new supervisor allocation and thereafter the previous supervisor shall be recognized as a co-supervisor, if applicable.

If the supervisor leaves the university for any reason while supervising ongoing scholars, they may continue as the guide provided the candidate has completed thesis writing and is ready for prethesis presentation. In such cases, the Ph.D. scholar must submit the synopsis and present the prethesis seminar and submit thesis within six months from the date of the supervisor's departure.

If the supervisor leaves The Assam Kaziranga University for any reason while supervising ongoing scholars, he/she may continue as the supervisor provided the scholar has completed thesis writing and is ready for pre-thesis presentation. In such cases, the Ph.D. scholar shall be required to submit the synopsis, present the pre-thesis seminar and submit thesis within six months from the date of the supervisor's departure.

In case of relocation of an Ph.D. woman scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the Higher Educational Institutions to which the scholar intends to relocate, provided all the other conditions in these Regulations are followed, and the research work does not pertain to the project sanctioned to The Assam Kaziranga University/ Supervisor by any funding agency. Such scholar shall, however, give due credit to The Assam Kaziranga University and the supervisor for the part of research already undertaken.

All supervisors shall maintain a file for each Ph.D. scholar under their supervision, and a photocopy of the same shall be kept with them. if a supervisor leaves the University for any reason, the complete Ph.D. scholar files must be transferred to the Dean-Research before obtaining their no-dues clearance.

#### **Recognition of supervisor**

- (i) A supervisor who is a faculty member of The Assam Kaziranga University shall supervise a doctoral scholar after due recognition by the UDRC. Faculty members with less than three years of service before superannuation shall not be allowed to take new research scholars under their supervision. However, such faculty members can continue to supervise Ph.D. scholars who are already registered until superannuation and as a co-supervisor after superannuation, but not after attaining the age of 70 years.
- (ii) If a supervisor leaves The Assam Kaziranga University permanently or temporarily for a period of more than 1 year or is unable to continue supervision due to long illness or demise, the SDPC will change the supervisor. The SDPC meeting will be conducted immediately in presence of previous supervisor for his comments. The SDPC shall decide the new supervisor allocation and thereafter the previous supervisor shall be recognized as a cosupervisor if necessary.
- (iii) If the supervisor leaves The Assam Kaziranga University for any reason while supervising ongoing scholars, he/she may continue as the supervisor provided the scholar has completed thesis writing and is ready for pre-thesis presentation. In such cases, the Ph.D. scholar shall be required to submit the synopsis, present the pre-thesis seminar and submit thesis within six months from the date of the supervisor's departure.
- (iv) In case co-supervisor from outside the university leaves his /her organization or is unable to continue supervision due to long illness or demise, the scholar may apply to SDPC for an alternative co-supervisor which would be recognized by the university from the university or other institute/university/R&D organization. The application must be endorsed by the supervisor. The allocation of new supervisor or co-supervisor will be recommended by the SDPC for the final approval of the UDRC.
- (v) A person registered for a Ph.D. degree at KU or any other institution shall not be permitted to act as a supervisor in any subject at KU.
- (vi) Notwithstanding the above, the Chairman, UDRC, reserves the right to approve any person as a research supervisor, depending upon the merit of the case.

#### **Eligibility of supervisor:**

- 8.1. An eligible Professor/Associate Professor/Assistant Professor can guide up to eight (8) / six (6) / four (4) Ph.D. scholars, respectively, at any given time.
- 8.2. Each supervisor can guide up to two international research scholars on a supernumerary basis over and above the permitted number of Ph.D. scholars as specified in above clause 8.1.
- 8.3. At any point, the total number of Ph.D. scholars under a faculty member, either as a supervisor or a co-supervisor, shall not exceed the number prescribed in clause 8.1 and 8.2

#### 9. Course credit requirement, course work, course registration

After admission as a doctoral scholar, each Ph.D. scholar shall be required to undertake coursework in accordance with the recommendations of the University Grants Commission (UGC) for a period of one semester.

Under special circumstances and with prior approval, scholars may be allowed to complete the coursework by the second semester only on medical issues with proper documentation which

may be extended up to the fourth semester. It will be implemented for all the existing PhD scholars in The Assam Kaziranga University. Note that PhD registration will be done after completion of the course work.

The course credit distribution for Ph.D. programme shall be as follows:

Sr. No.	Components	Credit
1	Course work (Major and Related Discipline)	14

# **Common courses:**

Research Methodology : 4 Credits
 Research and Publication Ethics : 4 Credits

# Subject/Domain specific courses:

3. Subject/Domain specific course 1 : 3 Credits
4. Subject/Domain specific course 2 : 3 Credits

The UDRC can also recommend UGC recognized online courses as part of the credit requirement for the Ph.D. programme

The Board of Studies of the department where the scholar pursues his/her research shall design the courses except Research Methodology and Research and Publication Ethics and get them approved in the Academic Council (AC).

The Ph.D. course work is mandatory for all scholars, and no exemptions will be granted under any circumstances. A Ph.D. scholar must obtain a minimum of 55% marks or its equivalent grade in the UGC 10-point scale in the course work to be eligible to continue in the programme and submit his or her thesis.

A candidate shall be required to register for the courses to be undertaken in each semester by filling out the Course Registration Form (Form–XI), which shall be obtained from the Office of the Dean-Research The duly completed Course Registration Form, together with the receipt of payment of the prescribed fees, shall be submitted to the Registration Office through the supervisor and the concerned Head of the Department/Centre.

After Ph.D. admission, scholars will identify their research supervisor. The SDPC (School Doctoral Programme Committee) will then be constituted. During the coursework period, scholars will develop their research proposals in consultation with their supervisor. At the end of first semester, scholars shall submit their research proposals and present them before the SDPC. Upon approval, they will formally begin their research work. Note that scholars must complete their course work within 1<sup>st</sup> to 4<sup>th</sup> semesters.

A research scholar shall appear before the SDPC once every semester to present the progress of his/her work for evaluation and further guidance. The six-monthly progress report shall be submitted by the SDPC to the Office of the Dean-Research, with a copy to the scholar, for approval by the UDRC.

In case the progress of a research scholar is found to be unsatisfactory, the SDPC shall record the reasons and suggest appropriate corrective measures. If the research scholar fails to implement these corrective measures, the SDPC may recommend to the Dean -Research, with specific

reasons, the cancellation of the scholar's registration.

The evaluation procedures and the computation of SGPA/CGPA shall be carried out in accordance with the regulations prescribed for the Ph.D. programme of The Assam Kaziranga University. The Controller of Examinations (CoE) shall declare the SGPA/CGPA at the end of the coursework period and shall forward the grade card of the coursework to the concerned candidate.

All full-time Ph.D. students receiving a stipend, regardless of their field of study, may be required to dedicate 4 to 6 hours per week to teaching or research assistantship duties. These duties may include conducting tutorials, supervising laboratory sessions, and assisting with evaluation tasks. There will be provision of the stipend/fellowship from time to time, and the amount will be determined by the competent authority of the University.

Files of individual Ph.D. scholar will be maintained by the Registrar office (original files), photocopy at R & D office and photocopy with the supervisors.

#### 10. Attendance

**During Course Work**: The minimum requirement of attendance for completion of the coursework shall be 75%. Every doctoral scholar shall be required to register for each semester. In special cases, a shortfall in the required attendance may be condoned at the discretion of the Vice-Chancellor.

### **During Research Work:**

During the research work, full-time Ph.D. candidates, including those under sponsored and project categories, shall be required to maintain a minimum attendance of 75% in each semester.

#### 11. Leave

#### **Ordinary Leave:**

A full-time Ph.D. scholar shall be eligible for 30 days of leave for every completed year of study (calculated as two consecutive semesters from the date of joining the programme. In general, a maximum of fifteen days of leave shall be permitted in a semester. A maximum of 5 days of such leave may be availed at a stretch, provided the candidate has an academic assignment. Leave shall be sanctioned by the Head of the Department/Centre on the recommendation of the supervisor.

#### **Maternity/Paternity leave:**

Female Ph.D. scholars may be provided Maternity Leave/Child Care Leave for up to 240 days in the entire duration of the Ph.D. programme. Vice-Chancellor shall sanction leave on recommendation of the supervisor and submission of a certificate from a registered Medical Officer authorized by KU.

#### **Academic Leave:**

A maximum of 15 days of academic leave shall be permissible in a year, calculated in terms of two consecutive semesters from the date of joining the programme, for attending conferences,

seminars, workshops, training programmes, or short-term courses. In addition, a maximum of 30 days of leave in a calendar year shall be permissible for field trips directly related to the scholar's research work

Academic leave shall be sanctioned by the Head of the Department/Centre on the recommendation of the supervisor and shall be duly notified to the Admissions Office. Special academic leave of more than 60 days and up to a maximum of 12 months may also be granted to enable the scholar to carry out part of the research in another institute, R&D laboratory, or industry in India or abroad. For sanction of such leave, a letter of consent from the host institution is required. Such leave shall be permissible only after successful completion of the coursework and upon completion of at least 30% of the scholar's research work at KU. On the recommendation of the supervisor, such special academic leave shall be considered by the SDPC and the UDRC for approval, and the matter shall be reported to the Academic Council. A scholar granted academic leave for one or more semesters shall be required to pay the prescribed fees for every semester during the leave period.

## 12. Ph.D. registration

A candidate shall be required to make a presentation on the proposed research plan before the SDPC at the end of first semester, after completion of coursework and allocation of a supervisor. Based on the suitability and feasibility of the research plan, and taking into account the expertise, preparedness, and capacity of the candidate to carry out the proposed research, the SDPC may recommend the candidate for Ph.D. registration, provided that he/she has fulfilled the minimum CGPA requirement in the prescribed coursework as well as the required attendance.

The SDPC may also suggest changes or modifications to the proposed research plan. In such cases, the candidate shall incorporate the suggested changes and resubmit the revised plan within the stipulated time frame. The UDRC, after considering the recommendations of the SDPC, shall approve or otherwise decide on the Ph.D. registration of the candidate. If approval is not granted, the Ph.D. registration of the candidate shall stand cancelled.

A summary report of all candidates registered for the Ph.D. programme shall be forwarded to the Registrar of The Assam Kaziranga University for enrolment. The Registrar shall convey the approval of Ph.D. registration to the candidates, issue the Ph.D. Registration Certificate, and ensure that the list of registered candidates is uploaded on the University website, with the link duly communicated to the UGC. Under special circumstances, a candidate may be permitted to change his/her research area within 12 months of registration.

An institution may be recognized as a Research Centre of The Assam Kaziranga University if such recognition is granted by the Academic Council of the University. Any institution seeking such recognition shall apply to the University with the prescribed application fee. The Research Cell of the University shall arrange an inspection of the institution with specific terms of reference, and the report of the inspection team shall be placed before the Academic Council for consideration. A recognized Research Centre/Institute shall be required to submit an annual report on the infrastructure facilities existing or added during the year. The Research Council shall have the authority to withdraw recognition in cases of non-fulfilment of the prescribed requirements.

#### 13. Renewal of studentship/candidature

In order to continue their research, candidates shall be required to renew their studentship by registering every semester on or before the specified date, until the submission of their thesis. The renewal of studentship shall be subject to the completion of the prescribed credits/coursework and/or satisfactory progress in research work, as recommended by the SDPC. A scholar may be exempted from payment of the prescribed fees for the last semester if the thesis is submitted within thirty days from the commencement of the semester.

#### 14. Period of candidature

#### **Duration of the Ph.D. programme**

- (1) Ph.D. programme shall be for a minimum duration three (3) years, including course work, and a maximum duration of six (6) years from the date of admission to the Ph.D. programme at The Assam Kaziranga University.
- 2) A maximum of an additional two (2) years can be given through a process of re-registration as per the Statute/Ordinance of The Assam Kaziranga University. The total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of admission in the Ph.D. programme.
- (3) Provided further that, female Ph.D. scholars and Persons with Disabilities (having more that 40% disability) may be allowed an additional relaxation of two (2) years; however, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme at the Assam Kaziranga University.

#### 15. Change of category

If a scholar desires to change the category of his/her candidature, an application shall be submitted to the UDRC through the SDPC after completion of the coursework, using the prescribed Form (Form–XII). A scholar may be permitted, for valid reasons, to change status from the full-time category to the part-time category or vice versa, on the recommendation of the SDPC and with the approval of the UDRC.

#### 16. Cancellation of registration

The registration of a scholar shall be liable to termination under any one of the following circumstances, after due approval of the Academic Council of The Assam Kaziranga University:

- If the academic progress of the scholar is found unsatisfactory in three consecutive progress reports.
- If he/she remains absent for a continuous period of six weeks without prior permission/approval from the SDPC.
- If he/she formally withdraws from the Ph.D. programme and the request is duly recommended by the UDRC.
- If he/she is found to be involved in activities not permitted by The Assam Kaziranga University or in any matter detrimental to the interests of the University.

In cases where the academic progress of a Ph.D. scholar is unsatisfactory, the SDPC shall record the reasons and recommend corrective measures. Failure to implement such measures may result in the cancellation of registration, with specific reasons duly recommended by the SDPC.

# 17. Disciplinary regulations

If a scholar is found to be involved in an act of misconduct, misbehavior, or indiscipline, disciplinary action shall be taken by Disciplinary Action Committee of The Assam Kaziranga University.

The University shall impose penalties to Ph.D. Scholar for plagiarism in accordance with the severity of the violation, as per the UGC Regulations F.1-18/2010 (CPP-II) dated 23rd July 2018.

- i) Level 0: Similarities up to 10% Minor Similarities, no penalty.
- ii) Level 1: Similarities above 10% to 40% The scholar shall be required to submit a revised script within a stipulated time period not exceeding 6 months
- iii) Level 2: Similarities above 40% to 60% The scholar shall be debarred from submitting a revised script for a period of one year.
- iv) Level 3: Similarities above 60% -Such scholar registration for that programme shall be cancelled.

# Penalties on repeated plagiarism:

Such Ph.D. scholar shall be punished for the plagiarism of one level higher than the previous level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative.

#### Penalty in case where the degree has already been obtained

If plagiarism is proven on a date later than the date of award of the degree or credit, as the case may be, the degree or credit shall be put in abeyance for a period recommended by the IAIP and approved by the Vice-Chancellor.

#### Plagiarism detection procedure and action against plagiarism

To ensure all the Ph.D. thesis are free from plagiarism, The Assam Kaziranga University (KU) currently uses *Drillbit* software as its official Plagiarism Detection Software (PDS), in compliance with UGC regulations regarding acceptable levels of similarity in academic work.

The following measures shall be implemented:

- (i) Every thesis, as well as any publications derived from it, must be free from plagiarism at the time of submission.
- (ii) Each Ph.D. scholar submitting a thesis to office of the Controller of Examinations shall submit an undertaking indicating that the document has been prepared by him/her, is original, and is free from plagiarism.
- (iii) The undertaking shall include the fact that the thesis has been duly checked through a Plagiarism detection tool Drillbit or any other PDS approved by KU.
- (iv) Each supervisor shall submit a certificate indicating that the work done by the researcher under him / her is plagiarism free based on Drillbit software.

## Similarity checks for exclusion from plagiarism:

The similarity checks for plagiarism shall exclude the following:

- (i) All quoted work reproduced with all necessary permission and/or attributions
- (ii) All references, bibliography, table of content, preface and acknowledgements.
- (iii) All generic terms, laws, standard symbols, and standard equations.

### Detection/Reporting/Handling of Plagiarism

If any member of the academic community suspects, with appropriate proof, that plagiarism has occurred in any document, he or she shall report the matter to the Departmental Academic Integrity Panel (DAIP). Upon receipt of such a complaint or allegation, the DAIP shall investigate the case and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of The Assam Kaziranga University. The University authorities may also take *suo motu* cognizance of any act of plagiarism and initiate proceedings under these regulations. Similarly, proceedings may be initiated by the University on the basis of findings reported by an examiner. All such cases shall be investigated by the IAIP in accordance with the prescribed procedures.

## **Departmental Academic Integrity Panel (DAIP)**

- (i) All Departments of The Assam Kaziranga University shall constitute a Departmental Academic Integrity Panel (DAIP) with the following composition
  - a) Chairman Head of the Department
  - b) Member Senior academician from outside the department, to be nominated by -Vice-Chancellor
  - c. Member A person well versed with anti-plagiarism tools, to be nominated by the Head of the Department.

The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).

- (ii) The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the scholar, faculty, researcher and staff
- iii) The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly.
- iv) The DAIP after investigation shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.

# **Institutional Academic Integrity Panel (IAIP)**

- i. The Assam Kaziranga University shall constitute an Institutional Academic Integrity Panel (IAIP) with the following composition:
- a. Chairman VC/Dean/Senior Academician of the University.
- b. Member Senior Academician other than Chairman, to be nominated by the Vice-Chancellor of the University.
- c. Member One member nominated by the Vice-Chancellor of the University from outside the University.

- d. Member A person well versed with anti-plagiarism tools, to be nominated by the Vice-Chancellor of the University.
- i) The Chairman of DAIP and IAIP shall not be the same. The tenure of all Committee members including the Chairman shall be three (3) years. The quorum for the meetings shall be 3 out of 4 members (including Chairman).
- (ii) The IAIP shall consider the recommendations submitted by the DAIP.
- (iii) The IAIP shall also have the authority to investigate cases of plagiarism in accordance with the provisions of these regulations.
- (iv) The IAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the scholar, faculty, researcher and staff.
- (v) The IAIP shall have the power to review the recommendations of the DAIP, including proposed penalties, with due justification.
- (vi) Upon completion of its investigation, the IAIP shall submit a detailed report, including recommendations on penalties to be imposed, to the Vice-Chancellor within forty-five (45) days from the date of receipt of the DAIP recommendation/ complaint, or initiation of proceedings.
- (vii) A copy of the IAIP report shall be provided to the person(s) against whom the inquiry has been conducted.

# 18. Synopsis of thesis

Upon completion of the research work, a scholar shall submit the synopsis of his/her Ph.D. thesis in the prescribed format (Form–XIII), not exceeding 1,500 words (excluding references if any), in triplicate (hard copies) along with a soft copy (chapter-wise) to the SDPC. The synopsis shall include the finalized title of the thesis and an outline of the research work contained therein.

The Ph.D. scholar shall also deliver a pre-thesis submission seminar before the SDPC, which shall be open to all faculty members, research scholars, and students. The synopsis must be submitted at least one week prior to the scheduled date of the pre-thesis submission seminar.

The SDPC shall provide feedback and comments in the prescribed format (Form–XIIIa), which may be suitably incorporated into the draft thesis in consultation with the SDPC. The SDPC shall examine the synopsis and suggest modifications, if any, for the final form of the thesis. Upon approval of the synopsis by the SDPC, the scholar may submit it to the UDRC for further action.

If a scholar fails to submit the thesis within four (4) months from the date of the pre-thesis submission seminar, he/she shall be required to present another pre-thesis submission seminar. In such cases, the revised synopsis must again be approved by the SDPC and submitted to the UDRC for necessary action.

In exceptional circumstances, a scholar may apply for an extension of up to fifteen (15) days beyond the four-month period, subject to the approval of the Vice-Chancellor.

#### 19. Panel of thesis/Viva-voce examiners

The panel for the final evaluation of a Ph.D. thesis shall consist of the internal examiner(s) (research supervisor) and at least two external examiners who are experts in the relevant field and are not employed by The Assam Kaziranga University. Such examiners should be academics with a strong record of scholarly publications in the field. Wherever possible, at least one of the external

examiners should be selected from outside India.

For the evaluation of a Ph.D. thesis, the supervisor shall submit a panel of five examiners, providing details of their research experience, areas of specialization, and complete contact information, including email addresses and phone numbers.

If more than one examiner is proposed from the same university or institution, the Chairman of the UDRC may modify the list submitted by the supervisor, citing the reasons for such modifications.

Once approved, the panel shall remain valid for two years and may be renewed upon request by the supervisor. The examiners for the evaluation of the thesis shall be selected by the Vice-Chancellor from among the names on the approved panel.

The Ph.D. thesis must be uploaded through standard plagiarism-detection software before submission for evaluation. The dissertation/thesis shall include:

- (a) an undertaking from the research scholar in the prescribed format (FORM XIV and XV), and
- (b) a certificate from the research supervisor attesting to the originality of the work, confirming that there is no plagiarism and that the work has not been submitted for the award of any other degree at KU or at any other institution/university.

Upon receipt of satisfactory evaluation reports, the SDPC shall arrange the final Viva-voce to assess the quality and impact of the research work carried out by the doctoral scholar.

#### 20. Thesis preparation and submission

A Ph.D. thesis is submitted as part of the requirements for the degree of Doctor of Philosophy.

A scholar may submit his/her thesis within the stipulated period but not later than four months from the date of pre-thesis seminar by filling the prescribed proforma (FORM - XVI).

During the final submission, scholars must submit the thesis in soft copy, chapter-wise, to the CoE for uploading to INFLIBNET.

The scholar must fulfill all requisites (course credit requirement, time period, attendance etc.) for Ph.D. thesis submission

If the Ph.D. work results in publications, the scholar must obtain formal approval from the supervisor before submitting any paper for publication.

At the time of thesis submission, the scholar shall also submit a "Clearance Certificate" from the concerned departments, sections, offices, and library. Guidelines for the preparation of the thesis are provided in Annexure III.

### Content and context of the thesis

The thesis shall be written in English in the specified format and style. Before submission of the thesis, it should be checked for plagiarism.

The research work presented in the thesis must be original. It should demonstrate an in-depth study and critical review of the topic, leading to the creation of new knowledge in the field. The thesis must reflect the scholar's capacity for analysis and judgment, as well as the ability to conduct independent investigation, design, and development.

The research work should be characterized by the discovery of facts, a fresh approach to interpreting facts and theories, or a significant contribution to the advancement of knowledge in the chosen field. A thesis may be supplemented with reprints of published work, provided that both the scholar (as first author) and the supervisor(s) are listed as authors.

No part of the thesis shall have been submitted for the award of any other degree or diploma. Four copies of the thesis (five copies if the scholar has a co-supervisor) shall be submitted initially, preferably in soft cover, for evaluation, along with a soft copy of the synopsis and thesis in PDF format on a USB drive.

Upon successful completion of the Viva-voce examination, three copies of the thesis, incorporating any corrections or modifications recommended by the Viva-voce panel, shall be submitted within 15 days in the format prescribed by KU.

#### 21. Thesis evaluation

A Ph.D. scholar shall submit the thesis for evaluation, along with:

- (a) an undertaking from the scholar affirming that the work contains no plagiarism, and
- (b) a certificate from the research supervisor attesting to the originality of the thesis and confirming that it has not been submitted for the award of any other degree or diploma at any other higher education institution.

The Ph.D. thesis shall be evaluated by the research supervisor and at least two external examiners who are experts in the relevant field and are not employed by The Assam Kaziranga University. Such examiners should be academicians with a strong record of scholarly publications in the field. Wherever possible, at least one of the external examiners should be selected from outside India.

The office of the Controller of Examinations (CoE) shall handle all correspondence with the examiners of the Ph.D. thesis.

Each examiner shall be requested to submit a detailed evaluation report and his/her recommendations on the prescribed proforma within two months of receiving the thesis. If the thesis report is not received within this period, a reminder shall be sent to the examiner. If no response is received from the examiner in two weeks thereafter, another examiner shall be appointed subject to the approval of SDPC and UDRC.

Each examiner shall evaluate the thesis to judge that the thesis is a piece of research work characterized by:

- the discovery of new facts, or
- a fresh approach to the interpretation and application of facts or theories, and
- the creation of new knowledge.

The examiner shall also provide an opinion on the scholar's capacity for critical examination, analytical ability, and sound judgment.

The thesis shall be submitted along with the following:

- scholar's Declaration (Form XVII),
- Supervisor's Certificate (Form XVIII), and
- Course/Comprehensive Examination/Pre-submission Seminar Completion Certificate (Form XIX).
- All examiners shall submit their evaluation reports on the thesis in the prescribed format (Form XX), recommending one of the following:
- (a) The thesis is accepted for the award of the Ph.D. degree without any further modification/correction.
- (b) The thesis is accepted for the award of the Ph.D. degree subject to the scholar giving satisfactory answers to queries specifically mentioned in the report, at the time of Viva-voce examination.

- (c) The thesis is not satisfactory for Viva-voce examination, but the scholar may be permitted to resubmit his/her thesis in a revised form for re-examination.
- (d) The thesis is rejected.

The examiners reports shall be forwarded to the supervisor by the CoE. The supervisor shall inform the scholar only those comments/queries in the reports which require explanation/answers without disclosing the identity of the examiners.

If all the three reports recommended acceptance of the thesis (of the four recommendations proposed, recommendations (a) and (b) either of which may be incorporated into FORM XX as proposed above are particularly suggested), the scholar shall be eligible for oral defense (Vivavoce examination). In case of recommendation (c), the scholar shall be allowed to submit the revised version of the thesis within six months after incorporating the suggested modifications. If additional time is required, the maximum period for submission of the revised thesis may be extended upon application to, and approval by, the Vice-Chancellor of The Assam Kaziranga University.

However, a scholar shall not be permitted to make any change to the thesis that is not specified by the examiner(s). The revised version of the thesis shall be sent to the concerned examiner(s) for re-evaluation. All corrections and modifications to the thesis must be incorporated in the text by changing the pages/ tables/ figures wherever necessary with a separate sheet indicating the corrections made with the page numbers. If one of the reports recommends rejection, the thesis shall be sent to a third external examiner subject to the approval of the AC. If the third examiner also recommends rejection, the thesis shall be rejected.

Any dispute or doubt arising from the implementation of these regulations shall be referred to the Academic Council (AC) for a decision.

The entire process of evaluating a Ph.D. thesis, including the declaration of the viva-voce result, shall be completed within a period of six (6) months from the date of submission of the thesis.

#### 22. Final oral defense (Viva-voce) examination

The Viva-voce Board shall consist of the Research supervisor and at least one of the two external examiners. The examination may be conducted in online or hybrid mode. The viva-voce shall be open to the members of the UDRC/faculty members/research scholars, and scholars.

The Viva-voce examinations of the Ph.D. scholar to defend the thesis shall be conducted only if both the external examiners recommend acceptance of the thesis after incorporating any corrections suggested by them. If one of the external examiners recommends rejection, The Assam Kaziranga University shall send the thesis to an alternate external examiner from the approved panel of examiners. The Viva-voce examination shall be conducted only if the alternate examiner recommends acceptance of the thesis. If the alternate examiner does not recommend acceptance of the thesis, the thesis shall be rejected, and the Ph.D. scholar shall be declared ineligible for the award of a Ph.D. degree.

The Assam Kaziranga University shall complete the entire process of evaluating a Ph.D. thesis, including the declaration of the viva-voce result duly filled form-XXI, within a period of six (6) months from the date of submission of the thesis.

Upon completion of the thesis evaluation process, the SDPC shall conduct the final Viva-voce in the presence of at least one of the two external examiners. The viva-voce may be

conducted in hybrid mode; however, the scholar must deliver the presentation in offline mode. The Viva-voce shall be open to the members of the UDRC/faculty members/research scholars, and scholars.

If none of the external examiner(s) from the panel of thesis evaluation is available for evaluation of oral defense, an alternative examiner shall be selected by the chairperson of the -Academic Council of the University preferably from the panel of examiners submitted by the supervisor(s).

#### Issuing a provisional certificate

After the successful completion of the Viva-voce, the CoE shall announce the award of the degree to all concerned via an official notification. The Assam Kaziranga University shall issue a provisional certificate certifying that the Ph.D. degree has been awarded in accordance with the provisions of these Regulations.

#### 23. Award of Ph.D. degree

The degree shall be awarded by the -Governing Body of The Assam Kaziranga University on the recommendation of the Academic Council of the University.

## 24. Confidentiality and copyright of thesis

Upon submission, the scholar shall transfer all the copyright to The Assam Kaziranga University. The thesis must be accompanied by the prescribed Copyright Transfer Certificate (FORM – XXII). For valid reasons, if the scholar and the supervisor wish to impose restrictions on the use of confidential material or research findings, the scholar shall apply to the Controller of Examinations (CoE), through the supervisor, to place the thesis under restricted access in both the print and digital libraries. If the author of the thesis (the scholar) and the supervisor(s) wish to publish the work in the form of a book, they must obtain formal clearance from the University prior to publication.

#### 25. Depository with INFLIBNET

Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s) by The Assam Kaziranga University, the electronic copy of the Ph.D. thesis shall be submitted to INFLIBNET, for hosting the same to make it accessible to all the Higher Educational Institutions and research institutions.

#### ANNEXURE - I

#### **ELIGIBILITY**

An applicant seeking admission to the Ph.D. programme at The Assam Kaziranga University shall normally possess a Master's degree in Science, Engineering, Technology, Health Sciences, Pharmacy, Management, Food and Agriculture, or Social Sciences.

School	Department	Qualification
ısic	Chemistry	4 years of graduate with 75% marks in Chemistry, M.Sc. in all branches of Chemistry, and related discipline.
School of Basic Sciences	Mathematic	4 years of graduate with 75% marks in Mathematics, M.A./M.Sc. degree in Mathematics, Statistics and related discipline.
Sch	Physics	4 years of graduate with 75% marks in Physics, M.Sc. in Physics and related discipline.
ology	Electronics and Communication Engineering	ME / M.Tech. / M.Sc. in Engg/ MS in Electronics/Communication/ Electronics Design/ Electrical/ Instrumentation/ Control/ Microwave/ Biomedical/ Bioelectronics/ Bio-Technology/ Computer Science/Information Technology. M.Sc. in Electronics/ Physics (NET qualified will be required)
: Techn	Computer Science & Engineering	M.Tech./ME in Computer Sc. and Engineering / I.T. / Electronics MCA, M.Sc. in Computer Sc. / I.T.
ring &	Mechanical Engineering	ME / M.Tech. / M.Sc.Engg/ MS in a related discipline.
gineer	Civil Engineering	ME / M.Tech. / M.Sc.Engg/ MS in a related discipline.
Eng	Electrical Engineering	ME / M.Tech. / M.Sc.Engg/ MS in a related discipline.
School of Engineering & Technology		Note: (as per UGC guideline) 1)Applicants typically need an M.Tech/M.E., or an equivalent Master's degree in a relevant engineering field, with at least 55% aggregate marks. 2) Applicants seeking PhD admission after a 4-year/8-semesterbachelor's degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed.
School of Computer Science	Information Technology	M.Sc. in Computer Sc. / I.T./ MCA/ M.Tech./ME in Computer Sc. and Engineering / I.T. / Electronics 4 years of graduate with 75% marks in CS/IT or any relevant branch of Computer Science PG in any relevant branch of Computer Science.
Social Sciences  M.A. in Humanities and Social Sciences.		M.A. in Humanities and Social Sciences.
of s	Physiotherapy	Master's degree in Physiotherapy (MPT).
School of Health Sciences	Medical Laboratory Technology	Master's degree in Medical Laboratory Technology
$\bar{\mathbf{Q}}$ , $\bar{\mathbf{Q}}$	Biotechnology	4 years of graduate with 75% marks in Biotechnology, Master's degree in Biotechnology, M.Tech. in Biotechnology,

		Bioinformatics, Life Sciences, Biochemistry, Microbiology, Genetics, Food Technology, Agriculture, Veterinary Science, M. Pharm, Organic Chemistry or a related discipline.
	Microbiology	4 years of graduate with 75% marks in Life Sciences, Master's degree in Life Sciences with 55% marks are eligible to apply.
School of Pharmacy	Pharmacy	B. Pharm with minimum of 75% marks in aggregate, Master's degree in Pharmacy.
School of Business	Management	Two Years Masters Program securing more than 55% (or equivalent Grade) in- MBA, M.Com, CA / CWA MA / M.Sc in (Economics / Statistics / Sociology) PG Diploma in (Management / Business Administration / Tourism / Agri-Business / Rural Management / Hospital Management).

Candidates who have completed a 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to a master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed.

OR candidates passing an equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or by any other statutory authority in that country responsible for assessing, accrediting, or maintaining standards of educational institutions.

A relaxation of 5% marks or its equivalent grade may be allowed for candidates belonging to SC/ST/OBC (non-creamy layer), Differently-Abled, Economically Weaker Section (EWS), and other categories of candidates as per decisions of the Commission from time to time.

Provided that a candidates seeking admission after a 4-year/8-semester bachelor's degree programme must have a secured minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer), Differently-Abled, economically Weaker Section (EWS), and other categories of candidates as per the decisions of the Commission from time to time.

2) Candidates who have completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale, wherever grading system is followed, or those holding an equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency approved, recognized or authorized by an authority established or incorporated under a law in its home country, or by any other statutory authority in that country responsible for assessing, accrediting, or assuring quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme. A relaxation of 5% marks or its equivalent grade may be allowed for candidates belonging to SC/ST/OBC (non-creamy layer), Differently-Abled, economically Weaker Section (EWS) and other categories as per the decisions of the Commission from time to time.

# ANNEXURE – II

# Fee structure for Ph.D. programme

Fees charged will be as per the regulations of The Kaziranga University, Jorhat, Assam

# ANNEXURE-III THE ASSAM KAZIRANGA UNIVERSITY

# Guidelines for preparation of the thesis

# 1. General

The thesis shall be written in English in the specified format and style.

A thesis may be supplemented by reprint(s) of published work. In such publications, the author's list must include the names of both the candidate and the supervisor.

No part of the thesis shall have been submitted for the award of any other degree or diploma. The thesis should be written in a precise manner without making it unnecessarily voluminous.

International Standard white paper of A4 (297 x 210mm) size should be used.

Pages should be numbered consecutively and clearly.

The typing should be 1.5 spaced and presented in a clear and legible font (Times Roman 12 point).

Figures, photographs, graphs and tables should be numbered separately; contrast should be clear.

Left and right margins should be not less than 30 mm. Care should be taken with page numbers to allow for page trimming when the thesis is bound.

Folding diagrams or charts should be arranged so as to open to the top and right.

Before producing final copies of a thesis for submission, the candidate should ensure that all the spellings, punctuation, vocabulary and grammar are correctly used and the bibliography is prepared according to internationally accepted conventions.

# 2. Organization of the thesis

The thesis may be organized in the following manner

- 1. Cover page
- 2. Inner cover page
- 3. Undertaking from the candidate
- 4. Self declaration certificate from the candidate (FORM IX) and Certificate from the Supervisor/Co- Supervisor/Head of the Institution /Organization (FORM X)
- 5. Certificate for the completion of course work/comprehensive examination in cases where the course work is a part of Ph.D. programme (FORM XI)
- 6. Ph.D. Thesis examiner's report(FORM-XII)
- 7. A copyright transfer certificate (FORM XIII)

- 8. Acknowledgments
- 9. Abstract (maximum one page)
- 10. Table of Contents
- 11. List of symbols, figures and tables, abbreviations if any
- 12. Introduction
- 13. Literature review
- 14. Objectives
- 15. Methodology
- 16. Results and Discussion
- 17. Conclusions
- 18. Suggestions for further studies
- 19. References
- 20. Appendices
- 21. List of papers communicated/accepted/published/presented.
- 22. Copies of acknowledgment/acceptance letter in case the papers are communicated/accepted.
- 23. Copies of manuscripts/reprints of the papers communicated/accepted/published.

### 3. Title page

The thesis must be preceded by a **title page**. The title page of the thesis should show

- Title of the thesis
- Degree for which it is submitted: "A thesis submitted in partial fulfillment of the requirements for award of the degree of Doctor of Philosophy"
- Full name of the scholar
- Registration Number
- Logo of The Assam Kaziranga University
- Full affiliation of the candidate (Dept./Centre/Lab)
- Month and year

4. Example of title page: (Title of the thesis)

# A thesis Submitted in partial fulfillment of the requirements to

# FOR THE AWARD OF THE DEGREE OF DOCTOR OF PHILOSOPHY

in
Discipline
{Should match with the final registration document
Engineering/Management/Science}

By (Scholar's name) Regn No.

Under the supervision of {Supervisor Name and affiliation}

The Assam Kaziranga University, Jorhat, Assam



DEPARTMENT OF
SCHOOL OF

THE ASSAM KAZIRANGA UNIVERSITY JORHAT, ASSAM, INDIA

Month & Year

#### 5. Acknowledgements

The scholar should acknowledge the guidance and help received from Supervisor, other members of exam committee, lab assistance, technicians, and others and the financial support received from funding agencies if any.

# 6. Abstract

The acknowledgement page should be followed by an abstract in English.

#### 7. Thesis preparation and binding

At the time of initial submission, the thesis should preferably be in flexible cover to facilitate the incorporation of amendments which might be recommended by the examiners.

At the time of final submission hard binding must be done with covers strong enough to resist damage by bending or knocking. Twin-ring, spring-back and spiral binders are not acceptable.

#### NOTE FOR Ph.D. CANDIDATES

To avoid delay in processing your thesis please read the following note carefully

- a) You should complete the thesis submission form at least two months ahead of the actual date of submission.
- b) Your supervisor(s) should sign the thesis in the appropriate place.
- c) The following items must be included with the thesis submission form
  - 1. Declaration concerning reproduction of thesis
  - 2. Thesis examination fee payment receipt
  - 3. An abstract of the thesis preferably within 1500 words in triplicate
  - 4. A "No Dues" certificate from departments/sections/offices/library concerned.



**FORM-I** 

# **The Assam Kaziranga University**

# **Supervisor Application Form** Date:

Name of the Supervisor	
Date of joining	
KU-ID	
Designation	
School	
Department	
Year of Ph.D. award	
Count of publications with KU affiliation	
Area of research	
	copy of publications as per the UGC guidelines (Professor/publications and Assistant Professor with a Ph.D. degree: reviewed or refereed journals)
Signature of the Applicant	Signature of the school Research Coordinator
Signature of Supervisor's School Dean	
Note: Enclose supervisor's CV with this form.	



**FORM-II** 

# The Assam Kaziranga University

# **Supervisor Allotment Form**

Date:

	I	
1	Name of the PhD scholar	
2	Scholar's ID No.	
3	Name of School and Department	
4	Contact No.	
5	Email ID:	
6	Tentative title of the PhD work	
7	Field of research work:	
8	Name of the Supervisor	
9	Name of School and Department	
10	Supervisor's contact number	
11	Signature of the scholar	
12	Signature of the Supervisor	

Signature of the School Research Coordinator

Signature of Dean Name of School.

Signature of SDPC Chairman

Signature of Dean -Research

Signature of UDRC Chairman / VC



**FORM-III** 

# The Assam Kaziranga University

# **PhD Co-supervisor Consent Form**

Date	•
Daw	•

Co-supervisor details	
Name of the Co-supervisor	
Designation	
Department	
School	
Affiliation	
Areas of research interests	
Co-supervisor's contact number	
Co-supervisor's email ID	
Candidate's details	
Name of the PhD scholar	
Scholar's ID No.	
Name of the PhD programme	
Academic Year	
Session (July/January) and Semester	
Affiliation	
Topic of research	

Remarks by supervisor:

Signature of the PhD scholar:

Name and signature of the Co-supervisor

Name and signature of the Supervisor

Signature of the School Research Coordinator

Note: Enclose co-supervisor's CV with this form.

Signature of Supervisor's School Dean



**FORM-IV** 

## **The Assam Kaziranga University**

#### **PhD Co-supervisor Allotment Form** Date:

Name of the PhD scholar	
Scholar ID No.	
Session	
Department and School	
Name of the PhD programme	
Area of research	
Title of the Ph.D. work	
Name of the Co-supervisor	
Affiliation	
Co-supervisor's contact no.	
Co-supervisor's email ID	
emarks by supervisor and signature	Signature of the Research Coordinator

R

Remarks by the SDPC Chairman and signature

Signature of Dean - Research

Signature of UDRC Chairman / VC



**FORM-V** 

## The Assam Kaziranga University

## **Application Form for Change of PhD Supervisor Date:**

Name of the PhD scholar	
Scholar's ID No.	
Category of the scholar (Full time/part time)	
Academic Year	
Session (July/January) / semester	
Department and School	
Name of the PhD programme	
Title of the Ph.D. work	
Name of the previous Supervisor	
School name of previous Supervisor	
Name of new Supervisor	
School name and Department of new Supervisor	
Reason for change in supervisor	
Remarks by the previous Supervisor:	
Signature of previous Supervisor	Signature of new Supervisor
Signature of the Research Coordinator	Signature of SDPC Chairman
Signature of Dean - Research	Signature of VC



**FORM-VI** 

#### The Assam Kaziranga University

# **Students Doctoral Programme Committee Constitution Form**Date:

1	Name of the PhD scholar and ID (official address, email, contact no.)	
2	Name of the school	
	Academic Year	
	Session (July/January) and Semester	
3	Name of the PhD programme	
4	Category of the scholar (Full time/part time)	
5	Date of registration	
6	Area of research	
7	Title of the Ph.D. work	
8	Name of Supervisor	
9	Name of Co-supervisor (if applicable)	

#### Doctoral committee members:

S. No	Name, designation and affiliation	Area of specialization	Designation in UDRC	Signature
1			Chairman	
2			Convenor	
3			Member	
4			Member	
5			Member	
6			Member	
7			External Member	

Signature of Research Coordinator

Signature of Dean Name of School Signature of Dean -Research

Signature of VC

FORM - VII



#### THE ASSAM KAZIRANGA UNIVERSITY

# **Half Yearly Progress Report**

Academic Year:	Date:
Session: (July/ January):	Semester:
Period from To	
1. Name of the scholar:	
2. Scholar's ID no.:	
3. Category (Full time/Part time/Sponsore	ed/ Project):
4. School	_Department
5. Date of admission:	
6. Date of registration (if applicable):	
7. Total no. of semesters completed:	
8. Area of research:	
9. Progress of research during current sem	nester (Separate sheet should be attached)
10. Expected date of completion:	
11. Leave availed during this semester (if	any):
12. Nature of Fellowship/Scholarship/Stip	pend received, if any:
13. Remarks of the Student Doctoral Prog	gramme Committee:
Signature of Candidate:	-
Name and Signature of SDPC Members:	
1.	
2.	
3.	
4.	
5.	
6.	
7.	Approved by Chairman, UDRC
	SignatureDate
Signature of Dean -Research	<del>-</del>



#### DOCTORAL SCHOLAR'S PROGRESS REPORT

Summary of Work	Done last Semester
cholar Name:	Semester:
ignature of the Scholar	
nature of the Supervisor	

Page 40



FORM – VIII

#### THE ASSAM KAZIRANGA UNIVERSITY

## No-Objection Certificate (from Employer in Official Letterhead)

Ref No:	Date:
То	
The Controller of Examinations	
The Assam Kaziranga University	
Koraikhowa, NH-37	
Jorhat, Assam	
Subject: No objection certificate	
Dear Sir/ Madam	
It is hereby certified that Mr./Ms_	
has been working in this Organization/In	stitute as
since	
This Organization/Institute has n	o objection to his/her being admitted to the Ph.D.
programme at The Assam Kaziranga Unive	ersity from the session starting onas a part-time
scholar.	
Date:	Signature:
Place:	Name:
	Designation:
	Seal of competent authority.





#### THE ASSAM KAZIRANGA UNIVERSITY

## Sponsorship Certificate (in Official Letter Head)

To	Date:
The Controller of Examinations	
The Assam Kaziranga University	
Koraikhowa,	
Jorhat, Assam	
Subject: Sponsorship of Mr./Ms	
for Ph.D. programme at The Assam Kazin	ranga University.
Dear Sir/ Madam,	
Mr./Ms who has been working in this Organizatio	n/Institute asis hereby sponsored
for carrying out the Ph.D. studies at The Assa	m Kaziranga University from the session
as a full-time schol	ar.
The employee will be relieved from his/program.	her duties in the organization to join the Ph.D
Date:	Signature:
Place:	Name:
	Designation:
	Seal of sponsoring authority





# No-Objection Certificate (from Principal Investigator) (In case of Project Fellows) in the official letter head of Principal Investigator

Ref No:				Date:	
То					
The Controller of Examination					
The Assam Kaziranga University					
Koraikhowa,					
Jorhat					
Sub: No objection certificate					
Dear Sir/Madam,					
Certified that Mr./Ms					, is
working as a			in	the	project
in	the	department		/	Centre
;	funded by				
since I have no objection in	n allowing hi	im/her to join the	Ph.D.	program	me at The
Assam Kaziranga University under the cate	egory of proj	ect fellow.			
Further, he/she will be allowed to c	arry out his/l	ner course work/re	search	work of	the Ph.D.
program without hampering the project wo	ork.				
Date:		Signat	ure:		
Place:		Name	:		
		Design	nation:		
		Seal o	f Spor	soring au	ıthority

FORM - XI



#### THE ASSAM KAZIRANGA UNIVERSITY

#### Ph.D. COURSE REGISTRATION FORM

		Date:
Name of Ph.D. So	olar:	<u> </u>
Scholar's ID No.		
Category (Full tin	/Part time/Sponsored/ Project):	
Academic Year:		
Session (July/Jan	ary): Semester:	
School:	Department:	
Name of Supervis	:	
Co-supervisor:		
		_
S. No. Cours Code	Course Title	Credit
I		
ure of Scholar	Signature Research Coordinato	Signature of r Dean of School



FORM - XII

# THE ASSAM KAZIRANGA UNIVERSITY **Application form for change of candidature**

(To be filled in by the scholar)

					Date	<b>.</b>
1. \$	Schola	r Name and ID: _				
2. \$	School	:				
3. ]	Departi	ment:				
			t time/Sponsored/Pro			
5. a	a) Nam	ne of Supervisor_				
			or	Affiliation		
		f Admission:				
		ter No				
_		of Course work				1
S	. No.	Course code	Course title		Credits	Grade points
(Su Dat	bmit <i>th</i> e:	ne No objection c	full time category where tificate from emplo	oyer if employed)	Signatur	e of scholar
For	warded	d by the Supervis	or with comments: _			
Sig	nature_		Date	e		
Rec	omme	ndation by the SI	OPC chairman:		Signature of Dea	an -Research
			For offi	ce use only		
	Reco	ommended by C	hairman, UDRC:			
	1) Si	gnature of chairm	nan	Date		
	Sion	ature of the Cont	roller of Examinatio	ns:		



FORM - XIII

#### THE ASSAM KAZIRANGA UNIVERSITY

# Ph.D. Synopsis submission form

1.	Name of the Scholar and ID:
2.	Department:
3.	School:
4.	Name of Supervisor:
5.	Name of the Co-supervisor with his/her affiliation:
6.	Title of thesis:
	Main points to be included in the synopsis.
7.	Introduction:
8.	Objectives:
9. ]	Review of literature:
10.	. Methodologies/approach(es) applied:
11.	Results and discussion:
11.	. Bibliography:
12.	. Collaboration with/assistance from other departments of K.U./other institutes/universities/laboratories (if any):
S	ignature of Supervisor Signature of Dean of School
	ignature of Co-supervisor lace_Date
**	Synopsis should be written within 1500 words (Attach separate sheet).
S	ignature of Dean - Research



FORM - XIIIa

#### THE ASSAM KAZIRANGA UNIVERSITY

# Ph.D. pre-thesis seminar review

		Date:
1.	Name of the Scholar with ID:	
2.	Department:	
3.	School:	
	Name of Supervisor:	
5.	Name of the Co-supervisor with affiliation:	
6.	Title of thesis:	
7.	Pre-thesis submission seminar date:	
8.	Modification suggested by the SDPC member (extra sheet can be used)	
SE	PPC Members name and signature:	
1.		
2.		
<ul><li>3.</li><li>4.</li></ul>		
5.		
6.		
7.		
Sig	gnature of Supervisor	Signature of Dean-Research
Sig	gnature of Co-supervisor	
Pla	nceDate	





#### THE ASSAM KAZIRANGA UNIVERSITY

# **Certificate of Originality**

	The	research	work	embodied	in	this	thesis	entitled "
				" under	the su	pervisio	n of "	,,
has t	een carr	ied out by m	ne at the	Department of	f <u></u>	, Sch	100l	., The Assam
Kazi	ranga U1	niversity, Jor	hat, Assaı	m. The manus	cript h	as been	subjected	to plagiarism
chec	k by			softwar	e with	similarit	y index "	"
The	work sub	mitted for						
cons	deration	of award of	Ph.D. is o	riginal.				

Signature of the Scholar



#### THE ASSAM KAZIRANGA UNIVERSITY

FORM-XV

#### Date:

# **Plagiarism Verification**

Scholar Name:	
Supervisor Name:	
Department and School	
Name of the University	
This is to report that the above	thesis was scanned for similarity detection. Process and outcome
given below:	
Software used	Date
Similarity Index	Total word count
Report of the Supervisor:	
	Signature of Scholar
Report of the Supervisor:	
The complete report of the above	ve thesis has been reviewed by the undersigned. (Tick Check Box
The complete report of the above.  The similarity index is below as	•
The similarity index is below a	•
The similarity index is below as The similarity index is above a	ccepted norms.
The similarity index is below as The similarity index is above a 1	accepted norms, because of the following reasons:
The similarity index is below as The similarity index is above a 1	accepted norms, because of the following reasons:
The similarity index is below at the similarity index is above at 1	accepted norms, because of the following reasons:

Signature of the Supervisor



FORM - XVI

# THE ASSAM KAZIRANGA UNIVERSITY Office of the Controller of Examinations (Thesis submission form) (To be filled in by the candidate)

1. Name of the sc.	holar with ID: Mr/Ms	
2. School		Department
3. Address for co	orrespondence	
4. Date of admis		
6. Approved title	of thesis (BLOCK LETTERS)	
	ved in the thesis	
(Confidentiality	Declaration to be submitted)	
Signature of candi	date	Date
Recommendation	18:	
Certificate of hav	ving completed a course of stu	ady for Ph.D.
I/We herel	by certify that the candidate na	amed above is a registered scholar of The Assa
Kaziranga Univer	sity. He/She has already com	pleted the prescribed course work and present
his/her pre- submundersigned.	nission seminar in accordance	e with the Regulation under supervision of
undersigned.		
Name of Supervis	sor	Signature
Name of Co- supe	ervisor	Signature
Date		<u> </u>
Forwarded by:		
	Head of the Department/ (	Centre/School
	Signatura	Data



FORM - XVII

#### THE ASSAM KAZIRANGA UNIVERSITY

#### **CANDIDATE'S DECLARATION**

I,certify that the work embodied in this Ph.I.
thesis is my own bonafide work carried out by me under the supervision
of and the co-supervisio
of for a period of from
to
(Name of the Institution where wor
has been carried out partly or fully) Ph.D. thesis has not
been submitted for the award of any other degree/diploma.
I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not will fully lifted up some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports,, theses, etc., or available at web-sites and included them in this Ph.D. thesis and cited as my own work.
Date: (Signature of the candidate)
Place:(Name of the candidate)





#### THE ASSAM KAZIRANGA UNIVERSITY

# **Certificate of the Supervisor (s)**

This is to certify that the these	sis entitled
submitted to the School of	The Assam Kaziranga
University in partial fulfillment for the award o	f the degree of Doctor of Philosophy in
is a record	of research work carried out by
Mr./Ms_	under my supervision and
guidance.	
All help received by him/her from various	s sources have been duly acknowledged.
No part of this thesis has been submitted e	elsewhere for award of any other degree.
Signature of Supervisor:	Co-supervisor:
Designation:	Designation:
School:	Affiliation
Department:	



FORM - XIX

# Office of the Controller of Examinations The Assam Kaziranga University

# COURSE/COMPREHENSIVE EXAMINATION/PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE

This is to certify that Mr./Mrs./Mbonafide research scholar of	this I	Č			•
completed the course work/ crequirement which is a part of his/	•		pre-subm	iission	seminar
(Signature of the CoE)					
Date:					
Place:					



**FORM-XX** 

# THE ASSAM KAZIRANGA UNIVERSITY Ph.D. THESIS EXAMINER'S REPORT

1. Name of the Scholar with ID:
2. School:
3. Department:
4. Title of the thesis:
5. Name, designation and complete address of the Examiner:
The thesis has been examined by me and I recommend that: (please delete all except any one relevant):  (a) The thesis is accepted for the award of the Ph.D. degree without any further modification/correction.  (b) The thesis is accepted for the award of the Ph.D. degree subject to the candidate giving satisfactory answers to queries specifically mentioned in the report, at the time of Vivavoce examination.  (c) The thesis is not satisfactory for Viva-voce examination but the candidate be allowed to resubmit his/her thesis in a revised form for re-examination.  (d) The thesis is rejected (reasons attached).
<ul> <li>6. If the thesis is recommended for acceptance whether:</li> <li>a) It is fit for publication by the candidate in its original form or in any modified form.</li> <li>b) The thesis is of such outstanding merit that the university would be justified in publishing it at its own cost.</li> <li>c) I have attached a detailed report on the thesis.</li> </ul>
Date: Signature of the External Examiner
Note: The report may be continued on blank sheet with signature of the examiner. Each page of
the report should be signed by the examiner.

FORM - XXI

Date:



#### THE ASSAM KAZIRANGA UNIVERSITY

## REPORT OF EXAMINERS OF ORAL DEFENSE

The examiners of Oral Defense Evaluatio	on certify that the thesis entitled			
submitted by	to The Assam Kaziranga University in			
partial fulfillment of requirement	of the Ph.D. degree in the			
discipline of	under the school of			
	has been examined by us and recommend that:			
a) That the degree be awarded for the reason	ons to be recorded.			
b) That the candidate be asked to reappear for another oral examination at a later date (not early				
than a month and not later than three mo	onths from the date of the first oral examination).			
c) That the degree shall not be awarded	for the reasons to be recorded in the report.			
(Note: Please tick the clause applicable	?)			
Comments:				
Signature of Supervisor	Signature of Co-supervisor (if any)			
Signature of Supervisor_				
Signature of External Examiner				
Date:				
Forwarded to Controller of Examination				
Memo No	Signature			

Head of the Department/Dean



#### **COPYRIGHT TRANSFER CERTIFICATE**

Scholar's Name and ID:

University's copyright notice are indicated.

Thesis title:
Registration No.:
Copyright Transfer
The undersigned hereby assigns to The Assam Kaziranga University all rights under copyright that may exist in and for the above thesis submitted for the award of the Ph.D. degree.
Signature of the scholar

Note: The author may reproduce or authorize others to reproduce material extracted verbatim from

the thesis or derivative of the thesis for the author's personal use, provided that the source and the